

Title (en)  
Electromagnetic actuator.

Title (de)  
Elektromagnetischer Antrieb.

Title (fr)  
Actionneur électromagnétique.

Publication  
**EP 0361670 B1 19940309 (EN)**

Application  
**EP 89308401 A 19890818**

Priority  
• US 23892588 A 19880831  
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Abstract (en)  
[origin: EP0361670A2] An improved electromagnetic actuator assembly is described. The assembly comprises a magnetic circuit for defining radially directed flux both in an inward and outward direction, and a coil disposed in the flux paths and connect to receive a control signal so that a current can be applied in one direction through those portions of the coil disposed in the inward radially directed flux, and applied in the opposite direction through those portions of the coil disposed in the outwardly directed flux so that the flux/current products of the coil portions and associated flux are additive.

IPC 1-7  
**H02K 41/035**; F16F 15/03

IPC 8 full level  
**B60G 17/015** (2006.01); **H02K 33/16** (2006.01); **H02K 41/035** (2006.01); **H02K 1/17** (2006.01)

CPC (source: EP KR US)  
**B60G 17/0157** (2013.01 - EP US); **F16F 15/03** (2013.01 - KR); **H02K 41/035** (2013.01 - EP US); **H02K 41/0352** (2013.01 - EP US); **H02K 41/0354** (2013.01 - EP US); **H02K 41/0356** (2013.01 - EP US); **B60G 2202/422** (2013.01 - EP US); **B60G 2400/102** (2013.01 - EP US); **B60G 2400/252** (2013.01 - EP US); **B60G 2600/26** (2013.01 - EP US); **H01F 2007/1692** (2013.01 - EP US); **H02K 1/17** (2013.01 - EP US)

Citation (examination)  
IBM TECHNICAL DISCLOSURE BULLETIN. vol. 23, no. 12, May 1981, NEW YORK US pages 5549 - 5550; L.T. Nguyen & al.: "Complementary forces voice coil motor"

Cited by  
EP0454796A4; US6769892B1; WO2016122337A1; WO0067984A1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
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